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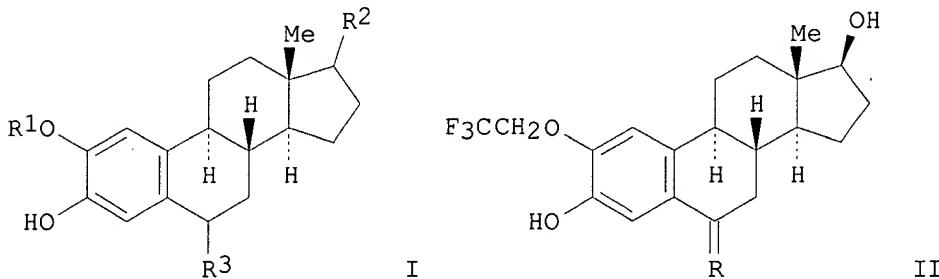
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=> s US 6136992/pn
L1      1 US 6136992/PN
          (US6136992/PN)
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=> d 11 abs hitstr ibib
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L1  ANSWER 1 OF 1  CAPLUS  COPYRIGHT 2002 ACS
GI
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AB 2-Alkoxyestradiols I (R1 = lower alkyl or substituted alkyl group; R2 = OH, NH2; R3 = O, =NNH2, =NNHSO2-(lower or substituted alkyl), =NNHSO2Ph (or substituted Ph), =NOH, =NOMe where R3 is not =O if R1 is Me and R2 is OH) were prep'd. and have improved activity against lung, colon, CNS, melanoma, ovarian, renal, prostate and breast tumor cell lines and further decrease their affinity for the estrogen receptor. Thus II (R = NOH) was prep'd. from II (R = O) and hydroxylamine HCl in 65% yield having an IC50 of 0.5 .mu.M for inhibition of tubulin polymn. and an estrogen receptor binding affinity of 0.007 thereby proving to be more potent than 2-ethoxyestradiol.

ACCESSION NUMBER: 2000:754525 CAPLUS
DOCUMENT NUMBER: 133:322044
TITLE: Preparation of 2-alkoxyestradiols as antitumor agents

09899702

INVENTOR(S): Ram, Siya; Varma, Ravi; Sachdeva, Yesh
PATENT ASSIGNEE(S): United States Dept. of Health and Human Services, USA;
Pharm-Eco Laboratories, Inc.
SOURCE: U.S., 15 pp.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6136992	A	20001024	US 1998-41212	19980312 <--
PRIORITY APPLN. INFO.:			US 1997-40540P	P 19970313
OTHER SOURCE(S):	MARPAT	133:322044		
REFERENCE COUNT:	18	THERE ARE 18 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT		

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